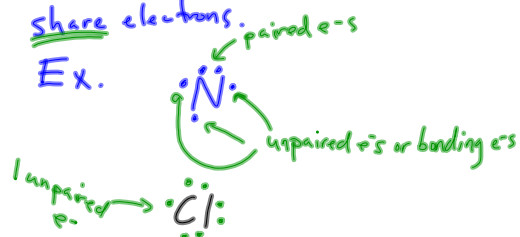


5.11 Molecular Compounds

Made up of nonmetals only. Formed from covalent bonds where atoms share electrons.

Ex.

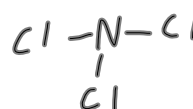


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Lewis Dot Diagram



structural diagram



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To name molecular compounds we use the prefix system.

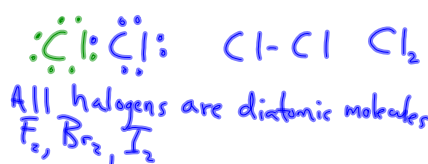
- | | |
|-----------|-----------|
| 1 - mono | 6 - hexa |
| 2 - di | 7 - hepta |
| 3 - tri | 8 - octa |
| 4 - tetra | 9 - nona |
| 5 - penta | 10 - deca |

NCl_3 - nitrogen trichloride

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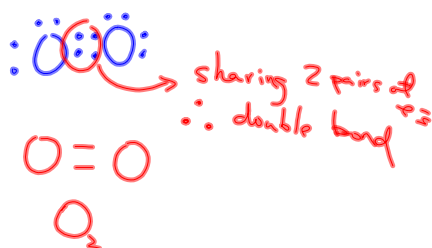
Molecular Elements

A molecule is a particle with more than one atom.

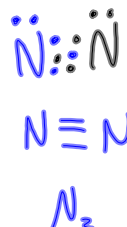


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H_2



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<u>Nonmetal</u>	<u>#bonds (combining capacities)</u>	
Halogens (Gr. 17)	1	
Hydrogen	1	
Oxygen	2	:Ö=C=Ö:
Sulfur	2	
Nitrogen	3	
Phosphorus	3	
Carbon	4	
Silicon	4	

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